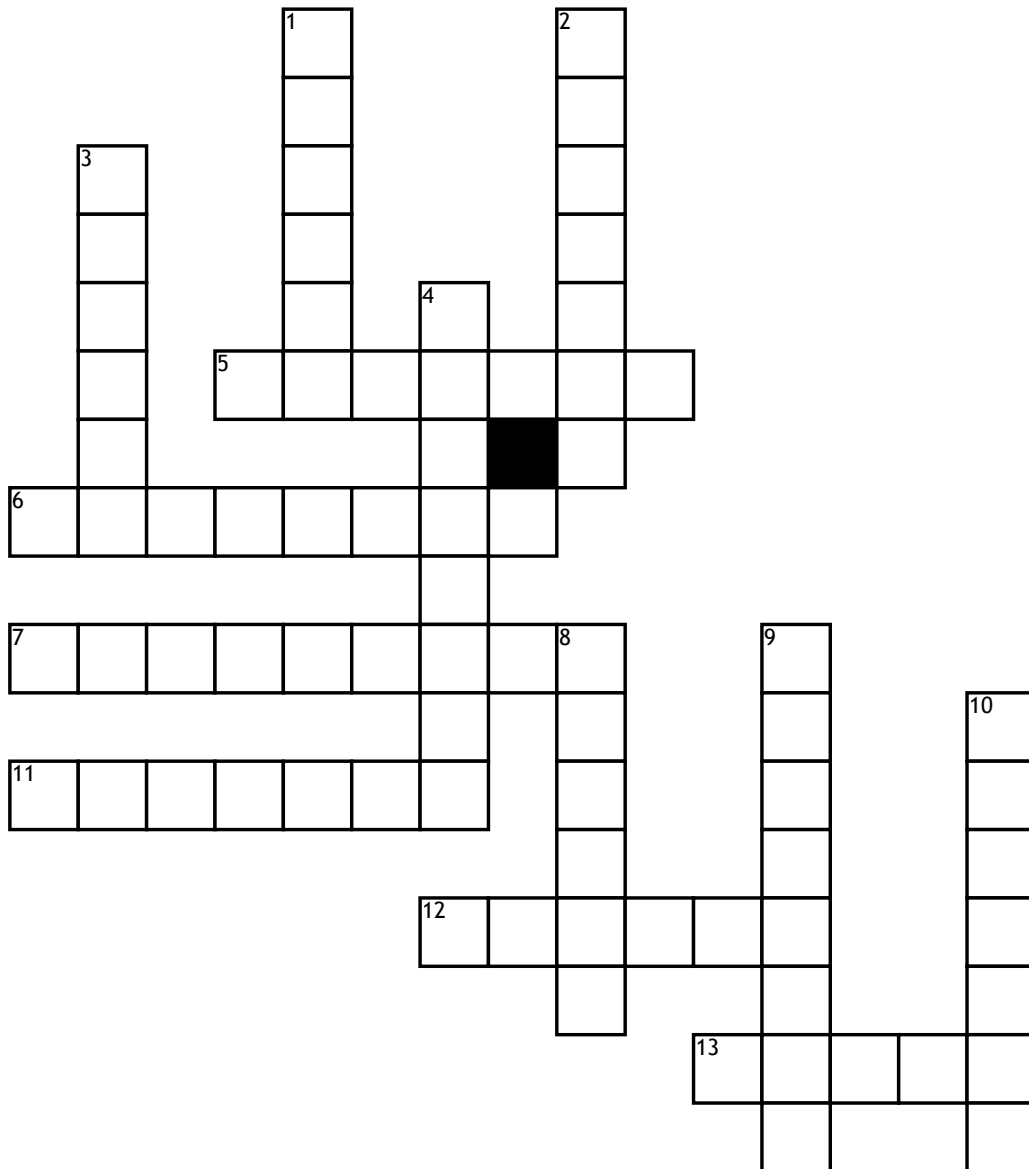


Terms of Physics



Across

- 5.** a property of matter by which it continues in its existing state of rest or uniform motion in a straight line, unless that state is changed by an external
- 6.** the branch of mechanics concerned with the motion of bodies under the action of forces.
- 7.** the branch of applied mathematics dealing with motion and forces producing motion.
- 11.** the pulling force transmitted axially by means of a string, cable, chain, or similar one-dimensional continuous object.

12. the force exerted on the mass of a body by a gravitational field.

13. an influence tending to change the motion of a body or produce motion or stress in a stationary body.

Down

- 1.** the SI unit of force. It is equal to the force that would give a mass of one kilogram an acceleration of one meter per second per second.
- 2.** result from motion.

3. a wheel with a grooved rim around which a cord passes. It acts to change the direction of a force applied to the cord and is chiefly used (typically in combination) to raise heavy weights.

4. the resistance that one surface or object encounters when moving over another.

8. concerned with bodies at rest or forces in equilibrium.

9. gravity/the force that attracts a body toward the center of the earth, or toward any other physical body having mass.

10. a twisting force that tends to cause rotation.